

Title (en)

SOLAR ENERGY SYSTEM FOR USE WITH TUFTED GEOSYNTHETICS ON SLOPING GROUND

Title (de)

SONNENENERGIESYSTEM ZUR VERWENDUNG MIT GETUFTETEN GEOSYNTHETIKA AUF EINEM SCHRÄGEN UNTERGRUND

Title (fr)

SYSTÈME D'ÉNERGIE SOLAIRE À UTILISER AVEC DES GÉOSYNTHÉTIQUES TOUFFETÉS SUR UN SOL EN PENTE

Publication

EP 3538822 B1 20230607 (EN)

Application

EP 17868904 A 20171109

Priority

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- US 2017060883 W 20171109

Abstract (en)

[origin: US2018131316A1] A solar energy system for use with tufted geosynthetics on sloping ground without the use of a traditional racking system. A frame attaches to the tufted geosynthetic cover to provide a flap and a solar panel secures to the flap directly or through a polymeric layer that attaches to the frame positioned between the flap and the tufted geosynthetic land cover with the solar panel adhesively attached to the polymeric layer. The solar panel being attached to the tufted geosynthetic land cover generates energy upon exposure to light. A method of securing a solar panel to a tufted geosynthetic land cover system for generation of energy is disclosed.

IPC 8 full level

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CPC (source: EP US)

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H02S 20/10 (2014.12 - EP US); **H02S 30/10** (2014.12 - EP US); **E02D 2300/0006** (2013.01 - EP US); **F24S 2025/01** (2018.05 - US);
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